

**ABSTRACT**

A powerchute comprising a body having an outer shell and an inner reinforcement. The outer shell including a nose, opposing side panels, a roll bar and a powerplant shelf, wherein a plurality of the nose, opposing side panels, roll bar and powerplant shelf define a cavity including a cabin. The outer shell and the inner reinforcement comprise a carbon fiber composite which is of sufficient strength to maintain rigidity and structural integrity without the use of metal support members.